

What is claimed is:

2. Four-stroke reciprocating piston engine with spark ignition, characterized in that air rotarily enters the cylinder via an inlet valve arranged coaxially to the cylinder longitudinal axis, in that air rotation is effected by means of vanes arranged in the inlet ~~channel~~^{channel,} in that gaseous fuel is blown into the helically rotating air essentially during the compression stroke by means of a nozzle provided remotely of the inlet valve and in the compression space and in the area of the cylinder longitudinal axis, with fuel being blown in such a manner that a rotating, air-enclosed air-fuel mixture is formed in the area of the cylinder and compression space, and the gases exit from the cylinder upon the power stroke via a circular gap temporarily formed by a ring valve and a ring valve support with the longitudinal axis of the ring valve being arranged coaxially to the longitudinal axis of the cylinder.
3. Four-stroke reciprocating piston engine with spark ignition In accordance with Claim 2, characterized in that the sealing faces of the ring valve and of the ring valve support are provided with contours which engage positively and gas-tightly when the ring valve is closed.